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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/328,053	06/08/1999	JAMES F. FLACK	FATHP009A	6268

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EXAMINER

CHANG, KENT WU

ART UNIT	PAPER NUMBER
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2673

DATE MAILED: 12/20/2001

Please find below and/or attached an Office communication concerning this application or proceeding.

Best Available Copy

Office Action Summary

Application No.

09/328,053

Applicant(s)

FLACK ET AL.

Examiner

KENT W CHANG

Art Unit

2673

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136 (a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 08 June 1999.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-99 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-99 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claims _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are objected to by the Examiner.
- 11) ☐ The proposed drawing correction filed on _____ is: a) ☐ approved b) ☐ disapproved.
- 12) ☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. § 119

- 13) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgement is made of a claim for domestic priority under 35 U.S.C. & 119(e).

Attachment(s)

- 15) ☒ Notice of References Cited (PTO-892)
- 16) ☒ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 17) ☒ Information Disclosure Statement(s) (PTO-1449) Paper No(s) 4,5,6,7.
- 18) ☐ Interview Summary (PTO-413) Paper No(s). _____.
- 19) ☐ Notice of Informal Patent Application (PTO-152)
- 20) ☐ Other: _____.

DETAILED ACTION

Claim Rejections - 35 USC § 103

1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

2. Claims 1-16, 19-29, 32-45, 47-50, 52-68, 71-81, 83-96, and 99 are rejected under 35 U.S.C. 103(a) as being unpatentable over Motosyuku et al (U.S. Patent No. 5,602,566, submitted by applicant in an IDS).

Motosyuku et al discloses a hand-held computer having a digital processor, a motion sensor (104) for tracking movements of the display, mapping visual information generated by the computer into a virtual desktop suitable for display via the display device, displaying a certain portion of the virtual desktop via the display device, and adjusting the displayed information according to the movements of the display. Although Motosyuku does not clearly point out that the computer maps the entire information content to the virtual desktop, it would have been obvious to one having ordinary skill in the art at the time the invention was made to modify the device of Motosyuku to map the entire information content to the virtual desktop so as to enable the user to access the entire information content via the input system,

Motosyuku does not clearly shows a zooming function. However, it would have been obvious to one having ordinary skill in the art at the time the invention was made

to use the input data (movement data) of the input device to control the zooming of an object since using coordinate input data from an input device for controlling the zooming of an object is one of the basic function of an input device. The examiner takes Official Notice that it has been well known in the art to use coordinate input data of the input device (mouse, joystick, trackball, etc.) to control the scrolling, zooming, and navigation in a display.

Motosyuku does not show a second computer. However, it would have been obvious to one having ordinary skill in the art at the time the invention was made to use the coordinate input data to control any computer since it merely depends on the hardware configuration of the system.

3. Claims 17, 18, 46, 51, 69, 70, 97, and 98 are rejected under 35 U.S.C. 103(a) as being unpatentable over Motosyuku et al (U.S. Patent No. 5,602,566) as applied to claims 1, 16, 45, 68, 96 above, and further in view of Detlef (U.S. Patent No. 6,178,403).

Motosyuku does not show handwriting recognition capability and voice recognition capability.

However, Detlef teaches a PDA having handwriting recognition capability and voice recognition capability for user entering data to the computer (column 1 lines 24-40). Therefore, it would have been obvious to one having ordinary skill in the art at the time the invention was made to include handwriting recognition capability and voice recognition capability as taught by Detlef in the device of Motosyuku so as to enable the user to enter data to the computer without a keyboard as suggested by Detlef.

4. Claims 30, 31, and 82 are rejected under 35 U.S.C. 103(a) as being unpatentable over Motosyuku et al (U.S. Patent No. 5,602,566) as applied to claims 22 and 74 above, and further in view of Fateh (U.S. Patent No. 6,184,847).

Motosyuku does not show capturing an image of the real scene and displaying the captured image on the display.

However, Fateh teaches a display device having a camera for capturing an image of the real scene and displaying the captured image on the display according to the coordinate input data (claim 22). Therefore, it would have been obvious to one having ordinary skill in the art at the time the invention was made to use a camera for capturing an image of the real scene and displaying the captured image on the display according to the coordinate input data as taught by Fateh in the device of Motosyuku so as to enable the user to have the feeling of a "real scene" while playing a video game.

Conclusion

5. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Fleck et al (U.S. Patent No. 6,154,196) teaches using coordinate data for controlling the scrolling, zooming, and navigation of a display (column 4 lines 29-45).

CONTACT INFORMATION

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Kent Chang whose telephone number is 703-305-4824.

Art Unit: 2673

The examiner can normally be reached on Monday to Thursday from 9:00 AM to 6:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Bipin Shalwala, can be reached at 703-305-4938.

Any response to this action should be mailed to:

Commissioner of Patents and Trademarks

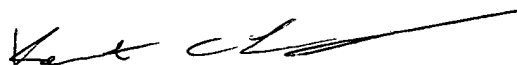
Washington, D.C. 20231

or faxed to:

(703) 872-9314 (for Technology Center 2600 only)

Hand-delivered responses should be brought to Crystal Park II, 2121 Crystal Drive, Arlington, VA, Sixth Floor (Receptionist).

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Technology Center 2600 Customer Service Office whose telephone number is 703-305-97000377.



KENT W CHANG
Primary Examiner
Art Unit 2673

Kc
12/17/01